

BEST AVAILABLE COPY

DROP PREVENTING DEVICE FOR ELEVATING FRAME

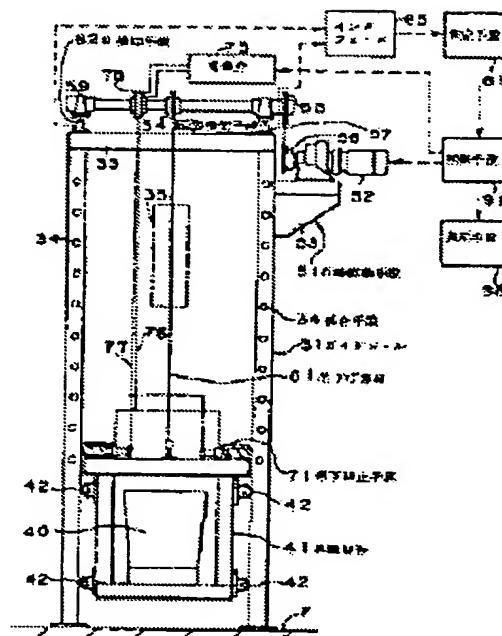
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 Publication date: 1992-10-16
 Inventor: KASAHARA YOSHIAKI; ANAMI MASAHARU
 Applicant: TOYOTA MOTOR CORP
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 B66B5/12; B66F17/00; (IPC1-7): B66B5/02; B66B5/12;
 B66F17/00
 - european:
 Application number: JP19910077223 19910318
 Priority number(s): JP19910077223 19910318

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Abstract of JP4292389

PURPOSE: To prevent cutting of a suspension member, such as a wire rope, and a chain and to prevent the drop of an elevating frame.

CONSTITUTION: Signal values from detecting means (load cells) 62a and 62b are compared with a preset reference value. During elevation of an elevating frame 41, and a deciding means 81 decides the presence of abnormality of a suspension member 61. When abnormality occurs to the suspension member 61, elevation of the elevating frame 41 is stopped.

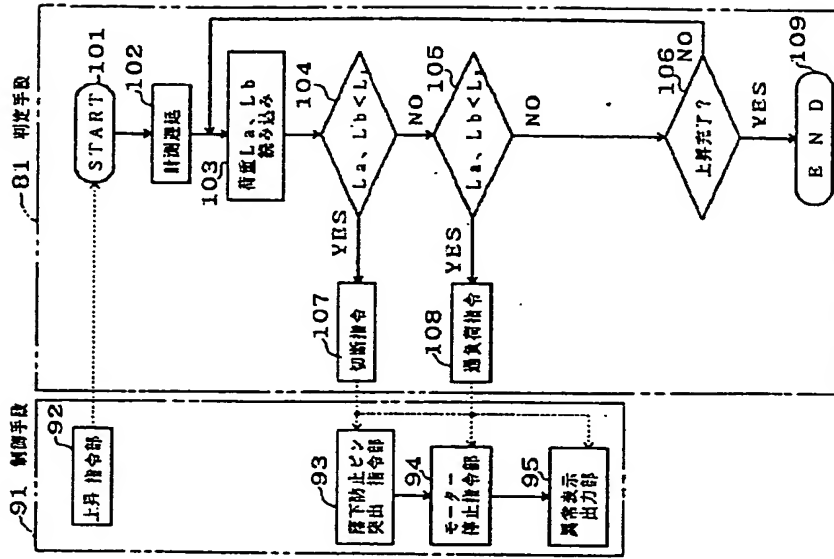


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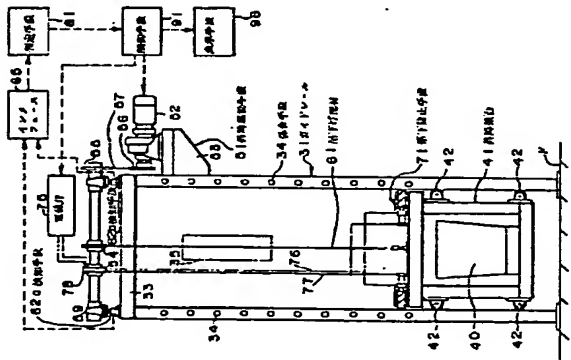
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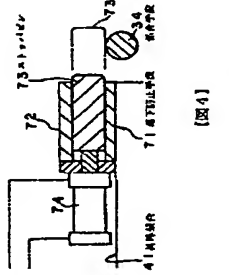
- 82a, 82b 検知手段 (ロードセル)
- 71 降下防止手段
- 73 ストップパビン
- 81 判定手段 (CPU)
- 91 制御手段

- 134 係合手段
- 162 検知手段 (ロードセル)
- 171 降下防止手段
- 173 ストップパビン

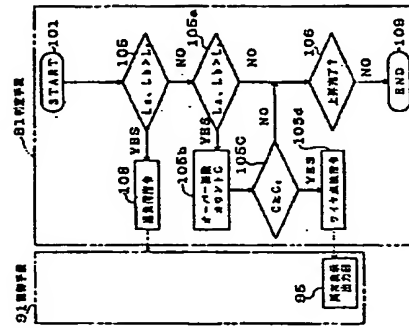
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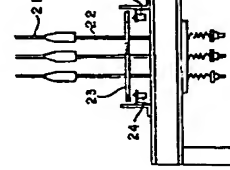
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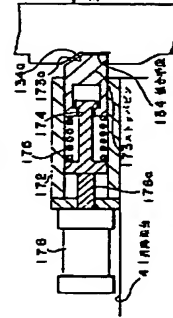
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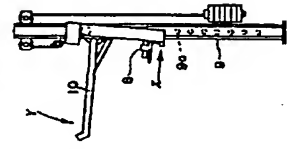
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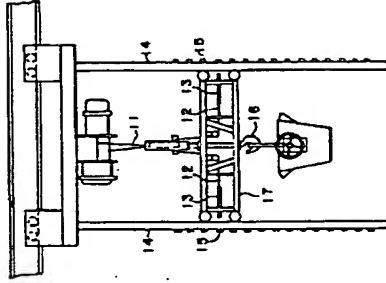


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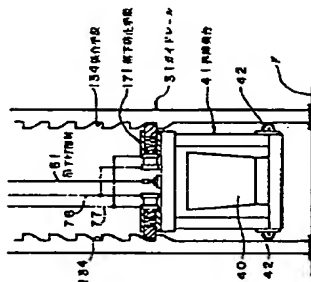
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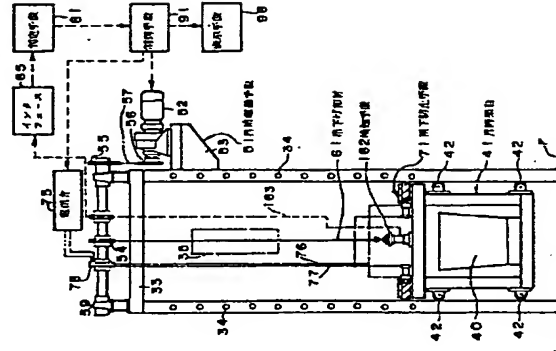
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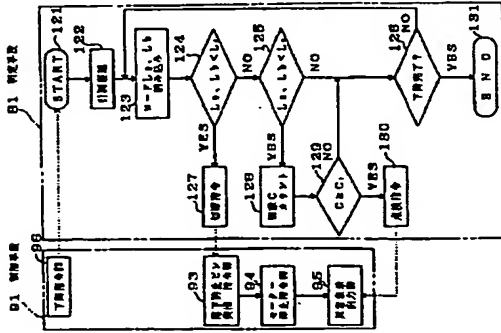
(図6)



(図8)



(図5)



(図9)

